

Amendments to the Specification:

Please replace the abstract at page 14 with the following amended abstract:

~~High-speed router~~

High-speed router for transmitting data packets, containing header data and useful data, between data networks, the router ~~(1)~~having including a plurality of data processing processors ~~(12, 13, 14, 15)~~ for parallel data processing of the header data, a demultiplexer for separating the data packets into header data and useful data, and a distribution processor for distributing the separated header data among the data processing processors. The distribution processor distributes the header data at least in part on the basis of a priority specified by the header data and the workload of the data processing processors.